# XfrogPlants | Agriculture Library

Version 3.0 Pre-Release

*Corn*

*Spinach*

## XfrogPlants Development :

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# What's New, and Usage Information for XfrogPlants Agriculture Library, Version 3.0

**180 XFR (Xfrog) + 180 Models of one additional 3D format are included in the /Models folder.**
(You may select online at xfrog.com, or from your reseller, from most popular 3D formats, such as Maya, 3ds Max, Lightwave, CINEMA 4D, OBJ, 3ds, etc. to be the additional format included on your CDROM) NOTE - If you purchase our DVDs, they contain ALL 3D formats listed above, inside the DVD, and more!
**180 TIFF+Alpha Billboard Renders are included in the /Billboards folder.**
(You can map them onto single or crossed polygons, or drag and drop them directly into background images)
**180 TIFF+Alpha Perspective Renders are included in the /Perspectives folder.**
(You can use their object buffer to place them into background images, ideal for quick comps)

Version 3 represents a major step forward for the XfrogPlants Libraries. The number of models has been increased, to a total of 180 (compared to previous 60)
For each of the 20 species, 9 variations are provided, that represent a wide variety of ages, shapes, and seasonal changes.
All models have been accurately created after real life plant examples, to ensure the maximum realism and scientific exactness.

Each XfrogPlants Library is available in many popular 3D formats, as well as in pre-rendered Billboard (embedded alpha) and Perspective top-quality renders.
The XfrogPlants Library PDFs have been redesigned for a better display of the quality of Version 3.0.
All of the 180 models of each library are represented and can be zoomed in and examined before purchase.

**Plugins are included to import XFR into Maya, 3ds max, Lightwave, and CINEMA 4D**. (You can directly import XfrogPlants models, or edits you make in Xfrog, into the above programs)
Xfrog Software, Plugins, Demos: http://www.xfrog.com
Xfrog User Group: http://groups.yahoo.com/group/Xfrog/
Xfrog User Gallery: http://www.xfrog.com/4images/

## Legal



## Author

This XfrogPlants documentation was created in March 2009 by Orio Menoni.

# 02. Tea

( *Camellia sinensis* )

**Tree/Shrub, evergreen broadleaf, spreading**

**Height :** up to 3 m in cultivation (up to 20 m wild)
**Origin :** China, Southeast Asia
**Environment :** hillsides, open woodland
**Climate :** warm and humid

**Notes :**
The Tea plant is usually a shrub or small tree. In cultivation, it is kept at an average height of 3 meters and in a spreading shrub posture (subspecies Sinensis). But in the wild, the subspecies Assamica can grow up to 20 meters! More than 3000 different types of tea are created blending the leaves of different varieties of this tree. The Tea infusion was invented in China, but soon became the favourite drink of Japanese Buddist monks. World tea production is 3.15 million tonnes annually. The primary producer is China, followed by India.

**Variation 3**
85 cm

**Variation 4**
88 cm

**Variation 5**
89 cm

# 07. Soybean

( *Glycine max* )

## Annual Plant

**Height :** up to 1.3 m
**Origin :** Eastern Asia (Japan, China)
**Environment :** hillsides, fields; on deep and fertile soils.
**Climate :** subtropical, with humid warm summers

**Notes :**
The Soybean (a.k.a. Soya) is a leguminous plant whose cultivation started as food crop for animals, but recently became increasingly important for human food, to make oil, margarine, flour, milk, and even as meat substitute. Soybean is the richest natural vegetable food, almost complete in nutrients. The United States is the world's leading soybean producer and exporter. Farm value of US soybean production in 2003/04 was $18.0 billion, the second highest value among U.S.-produced crops, trailing only corn. Soybeans equal about 90% of U.S. total oilseed production.

**Variation 3**
30 cm

**Variation 4**
55 cm

**Variation 5**
71 cm

# 08. Cotton

( *Gossypium hirsutum* )

## Annual Plant

**Height :** up to 40 cm
**Origin :** Pantropical (uncertain)
**Environment :** open fields, full sun, on neutral or calcareous soils
**Climate :** tropical; dry; salt-resistant, frost-intolerant

**Notes :**
Cotton is one of the most industrially important plants of the world. The fiber is used in the textile industry, to produce all kind of clothes. The seeds are used for the oil (food and soap use), and the by-products are used in the animal food industry. The Cotton cultivation needs little water but requires warm and constantly increasing temperatures from germination to the final opening of capsules, and is therefore only possible in tropical or subtropical areas. United States are the 3rd world producer of Cotton, after China and India, but are the leading exporter, before Uzbekistan and India.

**Variation 3**
38 cm

**Variation 4**
45 cm

**Variation 5**
43 cm

# 17. Spinach

( *Spinacia oleracea* )

**Annual Herb**

**Height :** up to 30 cm
**Origin :** Central and Southwestern Asia
**Environment :** open fields, on fertile sandy loams, high in organic matter, needs moist at ground level
**Climate :** temperate, warm; humid

**Notes :**
Spinach was cultivated in Iran over 2000 years ago. Cultivation in Europe started with Greeks and Romans. The name derives from the Persian word ispanai (green hand) which became spinachia in Latin. The Arabs named it "Prince of Vegetables". Spinach can have about double iron content than average vegetables. Their shallow roots can not reach deep water, thus their cultivation requires constant irrigation.

**Variation 3**
7 cm

**Variation 4**
7 cm

**Variation 5**
8 cm

# 20. Corn

( *Zea mays* )

**Annual Plant**

**Height :** up to 3 m
**Origin :** Mexico
**Environment :** hillsides, fields; in full sun.
**Climate :** warm, temperate; cold-intolerant

**Notes :**
Also known as Maize, Corn (short for "Indian Corn") is the largest crop in all of the Americas (270 million tons yearly in the USA alone). The name mays comes from the Arawak (Caribbean native tribe) word for the plant. The very rapid growth (3 cm per day!) has made it a very popular crop worldwide. Corn is used as both human and animal food. Today, it is often manipulated into genetic variations, of which Sweetcorn is the most popular.

**Variation 3**
210 cm

**Variation 4**
221 cm

**Variation 5**
270 cm


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